

# B110CU

SPECIALTY

Resin • Flat-Head

- Very high heat resistance up to 250°C.
- Ultra chemical & solvent resistance.
- Usage on dedicated receiving materials (list in annex).
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

## RIBBON PROPERTIES

- Total ribbon thickness: < 9µm
- Polyester film thickness: 4,5µm
- Friction coefficient: < 0,050
- Ink melting point: 112°C
- Tearing resistance: > 200N/mm<sup>2</sup>
- Transmission density: 0,65 mini

## CERTIFICATIONS / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- RoHS
- WEEE
- 2003/11/EC
- 2000/53/EC
- 76/769/EEC
- ISO EN71-3
- BS 5609 Section III
- REACH

For any other request, please feel free to contact [sales.ttr@ricoh-industrie.fr](mailto:sales.ttr@ricoh-industrie.fr)



Automotive



Electronics



Chemical industry



Healthcare



Heat resistant

# GENERAL CONDITIONS

Usage conditions: 5 to 35°C at 30 to 85% of relative humidity.

Storage life: 24 months after slitting day.

Storage conditions: Keep indoor avoiding high temperature (such as beside a heat source), high humidity, direct sun light.

**RICOH**  
imagine. change.

## PRINTING PROPERTIES

Maximum printing speed 3 IPS

	Non coated paper	Coated paper	Recommended white PET	Recommended white PP	Recommended silver PP
Compatibility	X	X	✓	✓	✓
Image density	-	-	1,65	1,81	1,68

Image resolution for film:

Minimum size:

- For the lines: 0.1mm

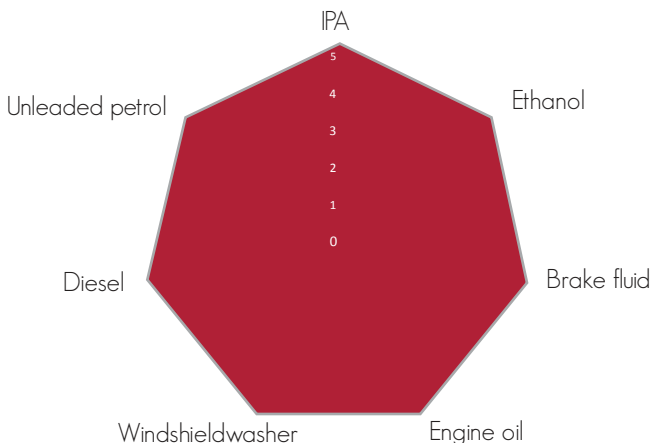
- For the caracters: 1.0mm

## PRINTED IMAGE DURABILITY

TESTS	RESULTS	B110CU with standard matt white polyester
Smear + heat 100°C Smear with carboard (weight 1kg - 50 back & forwards)	ANSI A	<ul style="list-style-type: none"> <li>Unleaded petrol 250</li> <li>Brake fluid 250</li> <li>Toluene 250</li> <li>Xylene 250</li> <li>Thinner 250</li> <li>Acetone 250</li> <li>IPA 250</li> <li>Ethanol 250</li> </ul>
Heat (250°C) Heat gradient 3,6kgF/cm <sup>2</sup>	No ink on the cotton fabric	
Scratch 50 back and forwards with a rub tester	ANSI A	
Light Xenon lamp at 650W/m <sup>2</sup>	ANSI A	
Water 24 hours in water	ANSI A	Back & forwards until a beginning of erase

- August 2017

## B110CU DURABILITY



5 : no damage  
0 : erased

B110CU with dedicated white polyester